INTERNATIONAL SEARCH REPORT

International application No

PCT/US2005/019805

C37

A. CLASSIFICATION OF SUBJECT MATTER INV. C07D401/12 C07D4 ÎNV. C07D405/12 C07D409/12 C07D471/04 C07D498/04 A61K31/551 A61K31/5365 A61K31/4375 A61K31/443 A61K31/4436 A61K31/4439 A61P31/04 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) C07D Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Category* 1 - 4. P,X WO 2004/082586 A (AFFINIUM PHARM INC [CA]) 10 - 3930 September 2004 (2004-09-30) the whole document WO 2004/052890 A (AFFINIUM PHARM INC [CA]; P,X 1-410 - 39BERMAN JUDD [CA]; SAMPSON PETER [CA]; PAULS H) 24 June 2004 (2004-06-24) the whole document WO 03/088897 A (AFFINIUM PHARM INC [CA]; 1-4.Υ BURGESS WALTER J [US]; JAKAS DALIA [US]; 10 - 39HUFF) 30 October 2003 (2003-10-30) the whole document Υ WO 01/27103 A (SMITHKLINE BEECHAM CORP 1-410 - 39[GB]: MILLER WILLIAM H [US]; NEWLANDER KENNETH) 19 April 2001 (2001-04-19) the whole document See patent family annex. Further documents are listed in the continuation of Box C. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another "Y" document of particular relevance; the claimed invention citation or other special reason (as specified) cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but "&" document member of the same patent family later than the priority date claimed Date of the actual completion of the international search Date of mailing of the international search report 14/06/2007 3 April 2007 Name and mailing address of the ISA/ Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Von Daacke, Axel Fax: (+31-70) 340-3016

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| Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet) | | | | | |
|---|--|--|--|--|--|
| This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: | | | | | |
| Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely: | | | | | |
| Although claims 33-37 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition. | | | | | |
| Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: | | | | | |
| 3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a). | | | | | |
| Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet) | | | | | |
| This international Searching Authority found multiple inventions in this international application, as follows: | | | | | |
| see additional sheet | | | | | |
| As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims. | | | | | |
| 2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. | | | | | |
| 3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.: | | | | | |
| No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: See annex | | | | | |
| The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees. | | | | | |

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-3 (part); 4; 10-39 (part)

Compounds of formula (I) with the 1st mentioned substituent R, and related claims.

2. claims: 1-3 (part); 5; 10-39 (part)

Compounds of formula (I) with the 2nd mentioned substituent R, and related claims.

3. claims: 1-3 (part); 6; 10-39 (part)

Compounds of formula (I) with the 3rd mentioned substituent R, and related claims.

4. claims: 1-3 (part); 7; 10-39 (part)

Compounds of formula (I) with the 4th mentioned substituent ${\sf R}$, and related claims.

5. claims: 1-3 (part); 9; 10-39 (part)

Compounds of formula (I) with the 5th mentioned substituent R, and related claims.

6. claims: 1-3 (part); 8; 10-39 (part)

Compounds of formula (I) with the 6th mentioned substituent R, and related claims.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/US2005/019805

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